M165710002 CC: Mike Wayne

Task: 5802

LARGE MINE PERMIT CONSOLIDATION GREAT SALT LAKE MINERALS CORPORATION

GSL MINE M/057/002

JAN 0 8 2014

Div. of Oil, Gas & Mining

Box Elder and Weber Counties

November 1, 2011

Submitted By:
North American Exploration, Inc.
447 N 300 W, Suite #3
Kaysville, UT 84037
(801) 544-3421

Table of Contents

HISTORY	1
I. Rule R647-4-104 - Operator(s), Surface and Mineral Owners	6
II. Rule R647-4-105 - Maps, Drawings & Photographs	2
105.1 - Base Map	
105.2 - Surface Facilities Map	2
105.3 - Additional Maps	3
III. Rule R647-4-106 - Operation Plan	4
106.1 - Mineral(s) to be Mined	4
106.2 - Type of Operation Conducted	
106.4 - Nature of Material Including Waste Rock/Overburden and Estimated Tonnage 1	5
106.5 - Existing Soil Types, Location of Plant Growth Material	6
106.6 - Plan for Protecting and Redepositing Existing Soils	
106.7 - Existing Vegetative Communities to Establish Revegetation Success	7
106.8 - Depth to Groundwater, Overburden Material & Geologic Setting 1	8
106.9 - Location and Size of Ore and Waste Stockpiles, Tailings and Treatment Ponds, and	
Discharges	
V. Rule R647-108 - Hole Plugging Requirements	
VI. Rule R647-109 - Impact Statement	
109.1 - Surface and Groundwater Systems	
109.2 - Wildlife Habitat and Endangered Species	
109.3 - Existing Soil and Plant Resources	8
109.4 - Slope Stability, Erosion Control, Air Quality, Public Health & Safety	9
VII. Rule R647-4-110 – Reclamation Plan	
110.1 - Current Land Use and Postmining Land Use	
110.3 - Surface Facilities to be Left	
110.4 - Treatment, Location and Disposition of Deleterious Materials	
110.5 - Revegetation Planting Program and Topsoil Redistribution	
VIII. Rule R647-4-112 VARIANCE	
IX. Rule R647-4-113 - SURETY	
X. PERMIT FEE [Mined Land Reclamation Act 40-8-7(i)]	
XI. SIGNATURE REQUIREMENT	22

XII.MAP COMPILATION
XII. APPENDICES
APPENDIX 1
MINERAL LEASES AND EASEMENTS
APPENDIX 2
LARGE MINE PERMITS
APPENDIX 3
LARGE MINE PERMIT AMENDMENT
AUGUST 29, 1991
APPENDIX 4
LARGE MINE PERMIT REVISION
APPENDIX 5
LARGE MINE PERMIT AMENDMENT
JULY 19, 2004
APPENDIX 6
LARGE MINE PERMIT REVISION
OCTOBER 8, 2004
APPENDIX 7
SOIL SURVEY DATA
APPENDIX 8
SUBSTATION DOCUMENTATION
APPENDIX 9
POND TECHNOLOGY ENHANCEMENTS DOCUMENTATION
APPENDIX 10
PHASE I AND PHASE II RECLAMATION SPECS

HISTORY

Great Salt Lake Minerals Corporation (GSLM&CC) operates solar evaporation ponds, processing and support facilities in 89,000 acres leased from the state of Utah within and adjacent to the Great Salt Lake. The leases were originally held by Dix R. Turnbow, N.G. Morgan Sr., Virgil V. Peterson, and Morgan Peterson Enterprises, Inc. These rights were transferred to Lithium Corporation, a predecessor of GSLM&CC through an agreement dated October 1, 1963. Initially the Lithium Corporation operated a solar evaporation complex to extract, via solar evaporation, minerals from the brines of the Great Salt Lake. The complex consisted of a brine supply system and initially 17,000 acres of ponds and processing and support facilities. The solar ponds are located on a portion of the 89,000 acres of land leased from the State of Utah under mineral lease agreements numbers ML 19024-SV1, 19059-SV2, 21708-SV3, 22782-SV4, 23023-SV5, 24189-SV6, 24631-SV7, 25384-SV8, 25859-SV9, and R-W 1073.

These rights were acquired by GSLM&CC, a subsidiary of Gulf Resources and Chemicals Corporation. And in 1977 GSLM&CC applied for a large mine permit for the site under the Utah Mined Land Reclamation Act (the year the Act was enacted).

On March 4, 1983, prior to permit approval, GSLM&CC modified their application to request variances from the following M-Rules; M-10(1)-Demolition, M-10(3) Reclamation, and M-10(4) Revegetation Standards. Also included with this correspondence, was a revision of the initial application to expand their operation to 34,000 acres. The tentative approval for the Little Mountain Mine permit application was issued by the Division of Oil, Gas and Mining on March 15, 1983, pending DOGM Board approval. On March 24, 1983 the Board of Oil, Gas and Mining issued tentative approval pending receipt of GSLM&CC's plan to sample soils in borrow pits and a revegetation plan. This information was submitted to the Division on April 14, 1983. The approved permit application indicated a property position of 89,000 acres leased from the State of Utah and 4,000 acres of fee land. This permit approval allowed for 34,000 acres to be covered with ponds and 1,000 acres of plant site and other auxiliary facilities.

(Documentation included in Appendix 1)

The processing plant constructed on Little Mountain land encompasses ~500 acres as a part of an industrial site. The area was leveled and graded before construction of the buildings and conveying systems. Excess materials excavated from the site were used for building dikes. The attached drawing SK61077 shows the solar evaporation pond layout and the properties either owned or leased by GSLM&CC. These lands are leased from the Division of Forestry, Fire & State Land (FFSL) and State Institutional Lands Administration (SITLA).

The initial mining sequence consisted of pumping brine from the North Arm of the Great Salt Lake. The brine was pumped from the Great Salt Lake under water rights granted by the State. The brines flow by gravity to the east side of Promontory mountains and are distributed through a series of solar ponds (refer to GSL drawing SK 61007). As

evaporation takes place, potassium, sodium and magnesium salts are deposited. Excess, unused salts deposited in the pond bottoms are redissolved with Bear River water and flushed back into the Great Salt Lake.

At the end of the evaporation season, the ponds are drained and the products are harvested and fed to the production plant. The following products are produced and marketed:

Sulfate of Potash
Sodium Sulfate
Sodium Chloride
Magnesium Chloride
MgCl2

K2SO4
Na2SO4
Na2Cl2
MgCl2

The extraction of minerals from the brine on GSL's leased lands is covered by a royalty agreement with the State of Utah. The terms of the mineral lease are connected to the duration of the royalty agreement which lasts as long as minerals are produced and sold from the land and a minimum royalty is paid to the State.

The total mineral reserves in the Great Salt Lake are sufficient to provide raw material for GSL's facilities, including future planned expansions, and other existing producers on the lake for about 200 years. Future products for the minerals extracted from the lake are possible and planned. All unused minerals in the pond system or plant effluent are returned to the Lake as provided in the Royalty Agreement.

On July 3, 1991 GSLM&CC filed a NOI to Amend Mining Operations. This amendment proposed to expand the present solar pond system. The expansion included (1) dredging an underwater channel (Behren's trench) approximately 20 miles long in the north arm of the Great Salt Lake from the west side of Promontory Point to Lakeside, Utah. State lease ESMT 95, easement for Behren's trench, was acquired at this time for the trench alignment; (2) constructing an 8.5 mile dike from Strong's Knob near Lakeside to Finger Point Mountain to form solar ponds; (3) constructing an access road approximately 3 miles long from Lakeside railroad right of way north to Strong's Knob, ESMT 96 was issued for this activity: and (4) constructing a pumping stations on the new dike for pumping brine in and out of the proposed solar pond. The expansion was covered under ML 19024-SV, and an additional mineral lease (ML 44607-SV) which was acquired from the State of Utah on June 17, 1991 to provide lease rights for the additional impacted area. Borrow material for these activities would be obtained from a lease located in the North 1/2 of the SW 1/4 and the NW 1/4 of Sec 9, T6N-R9W, SLB&M (ML 50730-MP). On August 16, 1991 GSLM&CC received partial approval from DOGM for this plan and on August 29, 1991 received conditional approval. This approval was conditioned on clarification of GSLM&CC's operation practices, reclamation plans, impact assessment, variances, and submission of maps clearly locating the proposed disturbance at Strong's Knob borrow area. On September 16, 1991 additional information in the form of maps & drawings, operation practices and reclamation plan was submitted to DOGM by GLSM&CC. This letter documented the variance approval that the Strong's Knob borrow pit would not be recontoured, topsoiled or reseeded.

(Documentation included in Appendix 3)

In 1998 the Harris Chemical Group (dba as GSLM&CC) merged with IMC Global, Inc., and the name of the company was changed to IMC Kalium Ogden Corporation. In 2001 IMC Global, Inc. then sold its salt holdings including the Ogden operation to Apollo Management, LP. This business entity is now known as Compass Minerals Group. This group in turn renamed the operation Great Salt Lake Minerals Corporation (GSL). In 2002 GSL requested that the permit name be changed from Little Mountain to Great Salt Lake Minerals Corporation (GSL) to allow for a more recognizable name in the market place.

On February 9, 1998 GSL filed a NOI to Revise Mining Operations at the site. This amendment was filed to allow GSL to construct a dredged intake canal on the west side of the Lake feeding the #1 west pond pump stations. This canal would be 10 to 30 feet wide and 18,750 feet long. Also included in the application was GSL's intention to construct a barrier dike which is about 17 miles long and would be located north of Strong's Point. The purpose of the dike would be to prevent surface runoff from entering the evaporation ponds.

(Documentation included in Appendix 4).

On May 14, 2004 GSL filed a NOI to Revise Mining Operations for activity planned on the west side of the lake near Strong's Point. The work involved the establishment for the relocation of several pump stations, a living quarters, and dike through the southeast portion of a permitted facility already established there (112 pond). This dike would essentially divide pond 112 and establish ponds 112 &113.

(Documentation included in Appendix 5).

On September 16, 2004 GSL applied to DOGM to add solar pond 1B to their permitted operations area. This pond was located on the east side of Promontory Point and due east of Pond 1A and of the Bear River Channel. The pond construction was located on the lake bed therefore will have no reclamation liability except the allowance for dike breaching upon closure. (On October 8, 2004 DOGM gave formal approval of this permit revision.)

(Documentation included in Appendix 6).

On May 5, 2011, GSL applied to DOGM to add an electrical substation to its operations. The purpose of replacement substation was to replace an older substation, to improve the reliability of the electrical power source and to avoid unplanned downtime. The substation facility will consist of two 21-MVA transformers, switchgear and power metering equipment. (on October 25, 2011 DOGM gave formal approval of this permit amendment)

(Documentation included in Appendix 8)

Form MR-LMO

On November 11, 2011, GSL submitted an NOI to amend mining operations to integrate Pond Technology Enhancements in existing perimeter dikes located in Bear River Bay. PTE is designed to improve the functionality of existing dikes, and is fully encapsulated within the dikes. PTE is implemented by excavating a 24-inch trench within the existing perimeter dikes and backfilling the excavation with inert cement bentonite grout. The PTE then acts to reduce leakage of refined brines back into the Great Salt Lake. Due to the low compressive strength of the vertical cement bentonite seam (which is similar to the strength of the surrounding dike materials), the existing reclamation plan which provides for wave action to ultimately remove dikes will also be effective in reclaiming PTE-integrated dikes. (Documentation included in Appendix 9).

At the present time the solar pond complex consists of: pumping stations, pipelines, flumes, timber bridges, canals, the Behren's trench (~21 miles), the intake canal (~3.5 miles), and diked ponds to transfer and process brines. The ponds area contained in the 1977 permit application encompassed 17,000 acres which has since been expanded to ~47,215 acres. The pond dikes are constructed with borrowed materials and imported gravel material from fee-owned and leased borrow pits and a thin vertical seam of cement bentonite within the footprint of perimeter dikes in Bear River Bay. The roads and dikes are maintained with borrowed material from one of several borrow pits located on Strong's Point, Promontory Point and Little Mountain. At this time several hundred miles of dikes exist at the site.

At the present time GSL operates under the following Division of Forestry, Fire and State Lands (FFSL) and State Institution Trust Lands Administration (SITLA) solar pond leases:

Great Salt Lake Minerals Leases/Easements

Solar Pond Leases

Regulatory Office	Lease ID	Location	County
FFSL	ML 19024-SV1	East Ponds	Box Elder
FFSL	ML 19059-SV2	East Ponds	Box Elder
FFSL	ML 21708-SV3	East Ponds	Box Elder
FFSL	ML 22782-SV4	East Ponds	Box Elder
FFSL	ML 23023-SV5	Promontory (PS 1)	Box Elder
FFSL	ML 24631-SV6	East Ponds	Box Elder
FFSL	ML 43388-SV7	Promontory (PS 1)	Box Elder
FFSL	ML 44607-SV8	West Ponds	Box Elder
FFSL	ML 25859-SV9	East Ponds	Box Elder
FFSL	20000107	West Exp (D.Island)	Box Elder
SITLA	SULA 1186	West of Pond 114	Box Elder
FFSL	20000115	West Exp (North)	Box Elder

Non-Solar Leases/Easements

Regulatory Office	Lease ID	Location	County
FFSL	ESMT 95	Behren's Trench	Box Elder
FFSL	SOV-0002-400	DC 112 Inlet Canal	Day Elder
Carlo de la companya		PS 113 Inlet Canal	Box Elder
SITLA	ML 50730 MP	Strong's Knob	Box Elder
		S.Knob Access	
SITLA	ESMT 96	Road	Box Elder
SITLA	ESMT 143	PS 112 Flush Line	Box Elder

Inactive Leases/Easements

Regulatory Office	Lease ID	Location	County
FFSL	ML24189	Promontory West	Box Elder
FFSL	ESMT 96	S.Knob Access Road	Box Elder
FFSL	ESMT 97	Willard Canal	Weber

The existing terrain in the solar ponds was not disturbed with exception of borrow ditches adjacent to the dikes. Approximately 95 percent of the area covered by ponds was undisturbed during the construction of the ponds. Also before construction of the dikes, the pond areas were mud flats with essentially no vegetation present. Depending on the level of the lake, more or less of these ponds areas was inundated by the lake. The minerals precipitated on the mud flat during evaporation will be redissolved with water to expose the undisturbed pond floor upon closure. This is done routinely to dispose of large volumes of salt precipitated in the ponds which cannot be sold economically as required under the lease agreement.

Upon closure the lease agreement with the State of Utah provides that the lessee will remove all personal property, equipment, machinery, buildings and tools from the land. A total of 20 pump stations associated with the west ponds would be removed, the West Desert pond main dike will be breached every mile and the West Desert access road crossing 1½ miles of State lease will be breached every ½ mile. All borrow pits would be regraded to 45 degree slopes, if necessary, and those portions containing sufficient growth medium would be revegetated.

The Weber County Commission has deemed that the process plant is situated within an existing industrial park and therefore could have a post-mine use for that purpose. Therefore the plant site does not reflect a liability and is not included in the reclamation bond calculations. A total of six borrow pits totaling 185.8 acres have been used during the life of this operation. Upon closure some portions of these areas will be regraded, if necessary, and revegetated, (where sufficient growth medium exists, no soils will be imported). The Bear River pond dikes may be left in place if the Utah Wildlife Management Group should decide to utilize these ponds as wildlife habitat. If this Group should decide not to accept these areas then the dikes will receive the same approved reclamation treatment as the rest of the site.

I. Rule R647-4-104 - Operator(s), Surface and Mineral Owners

The Permittee / Operator must provide the name, address and telephone number of the individual or company who will be responsible for the proposed operation. Business entities listed as the Permittee / Operator, must include names and titles of the corporate officers on a separate attachment.

	Mine Name: GSL Mine
2.	Legal name of entity (or individual) for whom the permit is being requested: Great Salt Lake Minerals Corporation
	Mailing Address: 765 North 10500 West
	City, State, Zip: Ogden, Utah 84404
	Phone: (801) 731-3100 Fax: (801) 731-4881
	E-mail Address:
	Type of Business: Corporation (X) LLC () Sole Proprietorship (dba) () Partnership () General or limited Or: Individual ()
	Entity must be registered (and maintain registration) with the State of Utah, Division of Corporations (DOC) www.commerce.utah.gov.
	Are you currently registered to do business in the State of Utah? Yes X No Entity # 601787-0143
	If no, contact www.commerce.utah.gov to renew or apply.
	Local Business License # 111 (if required)
	Issued by: County WEBER or City
	Registered <u>Utah</u> Agent (as identified with the Utah Department of Commerce) (if
	Registered <u>Utah</u> Agent (as identified with the Utah Department of Commerce) (if individual leave blank): Name: <u>National Registered Agents, Inc</u> Address: <u>3622 West Bay Circle</u> Title: <u>Agent</u>
	individual leave blank): Name: National Registered Agents, Inc Address: 3622 West Bay Circle City, State, Zip: Lehi, Utah 84043
	individual leave blank): Name: National Registered Agents, Inc Address: 3622 West Bay Circle City, State, Zip: Lehi, Utah 84043 Phone: (801) 732-3327 Fax: (801) 731-4881
	individual leave blank): Name: National Registered Agents, Inc Title: Agent Address: 3622 West Bay Circle City, State, Zip: Lehi, Utah 84043
.	individual leave blank): Name: National Registered Agents, Inc Title: Agent Address: 3622 West Bay Circle City, State, Zip: Lehi, Utah 84043 Phone: (801) 732-3327 Fax: (801) 731-4881 E-mail Address: Great Salt Lake Minerals Corporation
3.	individual leave blank): Name: National Registered Agents, Inc
	individual leave blank): Name: National Registered Agents, Inc
) .	individual leave blank): Name: National Registered Agents, Inc
	individual leave blank): Name: National Registered Agents, Inc
	individual leave blank): Name: National Registered Agents, Inc Address: 3622 West Bay Circle City, State, Zip: Lehi, Utah 84043 Phone: (801) 732-3327 F-mail Address: Permanent Address: Great Salt Lake Minerals Corporation 765 North 10500 West Ogden, UT 84404 Phone: (801) 732-3327 Fax: (801) 731-4881 Contact Person(s) Please provide as many contacts as necessary. Name: Mark Reynolds Address: 765 North 10500 West Title: Raw Materials Development Manage Address: 765 North 10500 West
	individual leave blank): Name: National Registered Agents, Inc
	individual leave blank): Name: National Registered Agents, Inc Address: 3622 West Bay Circle City, State, Zip: Lehi, Utah 84043 Phone: (801) 732-3327 Fax: (801) 731-4881 E-mail Address: Permanent Address: Great Salt Lake Minerals Corporation 765 North 10500 West Ogden, UT 84404 Phone: (801) 732-3327 Fax: (801) 731-4881 Contact Person(s) Please provide as many contacts as necessary. Name: Mark Reynolds Address: 765 North 10500 West City, State, Zip: Ogden, Utah 84404 Phone: (801) 732-3327 Fax: (801) 731-4881
3. 1.	individual leave blank): Name: National Registered Agents, Inc Address: 3622 West Bay Circle City, State, Zip: Lehi, Utah 84043 Phone: (801) 732-3327 Fax: (801) 731-4881 E-mail Address: Permanent Address: Great Salt Lake Minerals Corporation 765 North 10500 West Ogden, UT 84404 Phone: (801) 732-3327 Fax: (801) 731-4881 Contact Person(s) Please provide as many contacts as necessary. Name: Mark Reynolds Address: 765 North 10500 West City, State, Zip: Ogden, Utah 84404

7

5. Location of Operation:

Mineral Lease		Castian	Taumahin	Danas
Mineral Lease	Division	Section	Township	Range
ML19024	All	7	6N	4W
ML19024	W1/2	8	6N	4W
ML19024	W1/2	17	6N	4W
ML19024	?	18	6N	4W
ML19024	SE1/4, S1/2 S1/2 SW1/4	1	6N	5W
ML19024	S1/2 S1/2 SE1/4	2	6N	5W
ML19024	Part	10	6N	5W
ML19024	Part	11	6N	5W
ML19024	W1/2	12	6N	5W
ML19024	Part	15	6N	5W
ML19059	Part	22	6N	5W
ML19059	All	23	6N	5W
ML19059	All	24	6N	5W
ML19059	N1/2 of N1/2	26	6N	5W
ML19059	Part	27	6N	5W
ML19059	Part	28	6N	5W
ML22782	All	O.F.	70	4) 0 (
ML22782	All	25	7N	4W
	All	26	7N	4W
ML22782	All	27	7N	4W
ML22782	All	28	7N	4W
ML22782	All	29	7N	4W
ML22782	All	30	7N	4W
ML22782	All	31	7N	4W
ML22782	All	32	7N	4W
ML22782	All	33	7N	4W
ML22782	All	34	7N	4W
ML22782	All	35	7N	4W
ML22782	All	36	7N	4W
ML23023	Part	3	6N	6W
ML23023	All	4	6N	6W
ML23023	All	5	6N	6W
ML23023	All	8	6N	6W
ML23023	All	9	6N	6W
ML23023	Part	10	6N	6W
ML23023	Part	11	6N	6W
ML23023	Part	14	6N	6W
ML23023	All	15	6N	6W
ML23023	All	16	6N	6W
ML23023	All	17	6N	6W
ML23023	All	20	6N	6W
ML23023	All	21	6N	6W
ML23023	All	22	6N	6W
IVILZUUZU	All	23	6N	6W

ML23023	Part	25	6N	6W
ML23023	Part	26	6N	6W
ML23023	Part	27	6N	6W
ML23023	All	28	6N	6W
ML23023	All	29	6N	6W
ML23023	N1/2, N1/2 of S1/2	30	6N	6W
ML23023	All	32	6N	6W
ML23023	All	33	6N	6W
ML23023	All	34	6N	6W
ML23023	All	35	6N	6W
ML23023	Part	36	6N	6W
ML24631	All	19	7N	4W
ML24631	All	20	7N	4W
ML24631	All	21	7N	4W
ML25859	Part	5	6N	3W
ML25859	Part	6	6N	3W
ML25859	Part	20	7N	3W
ML25859	Part	29	7N	3W
NH 40000				
ML43388	Part	23	6N	6W
ML43388	Part	25	6N	6W
ML43388	Part	26	6N	6W
ML43388	Part	27	6N	6W
ML44607	All		CN	CVAV
ML44607	All All	5	6N 6N	9W 9W
ML44607	All	6	6N	9W
ML44607	All	7	6N	9W
ML44607	All	8	6N	9W
ML44607	All	9	6N	9W
ML44607	All	1	6N	10V
ML44607	All	2	6N	10V
ML44607	All	3	6N	10V
ML44607	All	4	6N	10V
ML44607	All	5	6N	10V
ML44607	All	6	6N	10V
ML44607	Part	7	6N	10V
ML44607	Part	8	6N	10V
ML44607	All	9	6N	10V
ML44607	All	10	6N	10V
ML44607	All	11	6N	10V
		12	6N	10V
ML44607	All		514	
ML44607 ML44607	All		6N	10\/
ML44607	All	13	6N 6N	10VV
			6N 6N 6N	10W

ML44607	Part	17	6N	10W
ML44607	All	1	6N	11W
ML44607	All	2	6N	11W
ML44607	Part	3	6N	11W
ML44607	Part	11	6N	11W
ML44607	Part	12	6N	11W
ML44607	All	31	7N	9W
ML44607	Part	6	7N	10W
ML44607	Part	7	7N	10W
ML44607	All	15	7N	10W
ML44607	All	16	7N	10W
ML44607	All	17	7N	10W
ML44607	All	18	7N	10W
ML44607	All	19	7N	10W
ML44607	All	20	7N	10W
ML44607	All	21	7N	10W
ML44607	All	22	7N	10W
ML44607	All	26	7N	10W
ML44607	All	27	7N	10W
ML44607	All	28	7N	10W
ML44607	All	29	7N	10W
ML44607	All	30	7N	10W
ML44607	All	31	7N	10W
ML44607	All	32	7N	10W
ML44607	All	33	7N	10W
ML44607	All	34	7N	10W
ML44607	All	35	7N	10W
ML44607	All	36	7N	10W
ML44607	Part	1	7N	11W
ML44607	Part	11	7N	11W
ML44607	Part	12	7N	11W
ML44607	All	13	7N	11W
ML44607	Part	14	7N	11W
ML44607	Part	15	7N	11W
ML44607	Part	22	7N	11W
ML44607	All	23	7N	11W
ML44607	All	24	7N	11W
ML44607	All	25	7N 7N	11W
ML44607 ML44607	All	26	7N 7N	11W
ML44607 ML44607	Part	27	7N 7N	11W
ML44607 ML44607		34		
ML44607	Part All	35	7N	11W
ML44607			7N	
ML44607 ML44607	All	36	7N	11W
WIL4400/	Part	31	8N	10W
ML 200 00107	Part	19	7N	9W
ML 200 00107	Part	29	/14	344
ML 200 00107	Part	30		
ML 200 00107	Part	32		

ML 200 00107	Part	2	7N	10W
ML 200 00107	Part	3		
ML 200 00107	Part	4		
ML 200 00107	Part	5		
ML 200 00107	Part	8		
ML 200 00107	Part	9		
ML 200 00107	Part	10		
ML 200 00107	Part	11		
ML 200 00107	Part	12		
ML 200 00107	Part	13		
ML 200 00107	Part	14		
ML 200 00107	Part	23		
ML 200 00107	Part	24		
ML 200 00107	Part	25		
ML 200 00107	Part	7	8N	10W
ML 200 00107	Part	8		
ML 200 00107	Part	9		
ML 200 00107	Part	10		
ML 200 00107	Part	15		
ML 200 00107	Part	16		
ML 200 00107	Part	17		
ML 200 00107	Part	18		
ML 200 00107	Part	19		
ML 200 00107	Part	20		
ML 200 00107	Part	21		
ML 200 00107	Part	22		
ML 200 00107	Part	26		
ML 200 00107	Part	27		
ML 200 00107	Part	28		
ML 200 00107	Part	29		
ML 200 00107	Part	30		
ML 200 00107	Part	32		
ML 200 00107	Part	33		
ML 200 00107	Part	34		
ML 200 00107	Part	35		
ML 200 00107	All	12	8N	11W
ML 200 00107	Part	13		
ML21708	NE1/4	1	6N	5W
SUA 1186	All	2	7N	11W
SUA 1186	E1/2	6	37 S.	24 E
SUA 1186	All	36	8N	11W
ML50730	Part	9	6N	9W
MI 51502	C4/2 C4/2 N4/2	0.0	GN GN	0144
ML51502	S1/2, S1/2 N1/2	29	6N	9W
ML51502	SE1/4, S1/2 NE1/4	30	6N	9W
ML51502	N1/2	32	6N	9W

The names of the surface and mineral owners for any areas which are to be impacted by mining must be provided to the Division. This list should include all private, state and federal ownership and the owners of lands immediately adjacent to the project areas.

(X)Priva	rship of the land s te (Fee), Public or other: Fores	Domain (BLM),	National Forest (USFS), (X) State of
	Name:		Minerals Address:	675 E. 500 S. Salt Lake City, Utah 84102 765 North 10500 West Ogden, Utah 84404 ess: 1594 W. North Temple, Suite 3520 Salt Lake City, Utah 84114
(SITL	Private			mined (circle all that apply): National Forest (USFS), (X) State of Utah
				ess: 1594 W. North Temple, Suite 3520 Salt Lake City, Utah 84114
9.	23023- 95, SO Name of	SV, 24631-SV, 25 V-0002-400, ML 5	5859-SV, 43388-S 0730-MP, ESMT	V, 19059-SV, 21708-SV, 22782-SV, 5V, 44607-SV, 20000107, SULA 1186, ESMT 96, and ESMT 143 roup dba Great Salt Lake Minerals Corp.
	Name:	BLM	Address:	440 W. 200S. Suite 500
				Salt Lake City, Utah 84101
	Nama	Litah Cavaraian	Landa Address.	
	Ivallie.	Utah Sovereign	Lanus Address	
		0.71		Salt Lake City, Utah 84114
	Name:	SITLA	Address: _	
				Salt Lake City, Utah 84102
	Name:	Dee's Inc.	Address:	777 E. 2100 S. Salt Lake City, Utah
10.	Yes	he land, mineral a X No		d owners been notified in writing? —
11.	Does t	he Permittee / Op		I right to enter and conduct mining notice? Yes X No

II. Rule R647-4-105 - Maps, Drawings & Photographs

105.1 - Base Map

A complete and correct topographic base map (or maps) with appropriate contour intervals must be submitted with this notice showing all of the items on the following checklist. The scale should be approximately 1 inch = 2,000 feet (preferably a USGS 7.5 minute series or equivalent topographic map where available). The map(s) must show the location of lands to be affected in sufficient detail to allow measurement of the proposed area of surface disturbance.

Base Map Checklist

Please check off each section to verify these features are included on the map(s) or explain why it is not applicable. Please add the map identification name or number which shows these features.

Check			Map ID Site Map
X	(a)	Property boundaries of surface ownership of all lands which are to be affected by the mining operations;	800-11-05-027 Pondmaster (2)
<u>X</u>	(b)	Perennial, intermittent, or ephemeral streams, springs and other bodies of water; roads, buildings, landing strips, electrical transmission lines, water wells, oil and gas pipelines, existing wells or boreholes, or other existing surface or subsurface facilities within 500 feet of the proposed mining operations;	1 <u>00-11-5-</u> 88
X	(c)	Proposed route of access to the mining operations from nearest publicly maintained highway (Map scale appropriate to show access);	80 <u>0-11-05-</u> 027
-	(d)	Known areas which have been previously impacted by mining or exploration activities within the proposed land affected;	SK-61077 820-01-5-008
<u>X</u>	(e)	Areas proposed to be disturbed or reclaimed over the life of the project or other suitable time period.	800-11-05-019 800-11-03-020

105.2 - Surface Facilities Map

Surface Facilities Map Checklist

Surface facilities maps should be provided at a scale of not less than 1" = 500'.

Please check off each section to verify these features are included on the map(s) or explain why it is not applicable. Please add the map identification name or number which shows these features.

Check			Map ID
X	(a)	Proposed surface facilities, including but not limited to: buildings, stationary mining/processing equipment, roads, utilities, power lines, proposed drainage control structures, and the location of topsoil storage areas, overburden/waste dumps, tailings or processed waste facilities, disposal areas for overburden, solid and liquid wastes, and wastewater discharge treatment and containment facilities;	00-50-126 800-11-5-019 800-06-5-009
_X	(b)	A border clearly outlining the extent of the surface area proposed to be affected by mining operations, and the number of acres proposed to be affected;	Site Map Pondmaster (2)
	(c)	The location of known test borings, pits, or core holes.	

105.3 - Additional Maps

Reclamation Treatments Map Checklist

Please check off each section to verity these features are included on the map(s) or explain

features.		olicable. Please add the map identification name or number which	
Check			Map ID
	(a)	Areas of the site to receive various reclamation treatments shaded, cross hatched or color coded to identify which reclamation treatments will be applied. Areas would include: buildings, stationary mining/processing equipment, roads, utilities, proposed drainage improvements or reconstruction, and sediment control structures, topsoil storage areas, waste dumps, tailings or processed waste facilities, disposal areas for overburden, solid and liquid wastes, ponds, and wastewater discharge, treatment and containment facilities. Reclamation treatments may include ripping, regrading, replacing soil, fertilizing, mulching, broadcast seeding, drill seeding, and hydroseeding:	
	(b)	A border clearly outlining the extent of the area to be reclaimed after mining, the number of acres disturbed, and the number of acres proposed for reclamation:	Pondmaster (2) 101-11-05-002 101-11-05-039

X	(c)	Areas disturbed by this operation which are included in a request for a variance from the reclamation standards:	
<u>X</u>	(d)	Highwalls which are proposed to remain steeper than 45 degrees and slopes which are proposed to remain steeper than 3 horizontal: 1 vertical. 101-01-05-036	

Note: Areas included in sections c & d will need to be referenced in the variance request section. Please shade or color code these areas on this map.

Additional maps and cross sections may be required in accordance with Rule R647-4-105.3. Design drawings and typical cross-sections for each tailings pond, sediment pond, or other major drainage control structures must also be included.

III. Rule R647-4-106 - Operation Plan

106.1 - Mineral(s) to be Mined: Sulfate of Potash, Sodium Sulfate, Sodium Chloride, Magnesium Chloride

106.2 - Type of Operation Conducted:

At the present time GSL operates under the following Division of Forestry, Fire and State Lands (FFSL) and State Institution Trust Lands Administration (SITLA) solar pond leases.

The existing terrain in the solar ponds was not disturbed with exception of borrow ditches adjacent to the dikes. Approximately 95 per cent of the area covered by ponds was undisturbed during the construction of the ponds. Also before construction of the dikes, the pond areas were mud flats with essentially no vegetation present. Depending on the level of the lake, more or less of these ponds areas was inundated by the lake. The minerals precipitated on the mud flat during evaporation can be redissolved with water to expose the undisturbed pond floor upon closure. This is done routinely to dispose of large volumes of salt precipitated in the ponds which cannot be sold economically as required under the lease agreement.

Upon closure the lease agreement with the State of Utah provides that the lessee will remove all personal property, equipment, machinery, buildings and tools from the land. A total of 20 pump stations would be removed, the West Desert pond main dike would be breached every mile and the West Desert access road crossing 1½ miles of State lease would be breached every ½ mile. All borrow pit would be regraded to 45 degree slopes, if necessary, and those portions containing sufficient growth medium would be revegetated.

The Weber County Commission has deemed that the process plant is situated within an existing industrial park and therefore could have a post-mine use for that purpose. Therefore the plant site does not reflect a liability and is not included in the reclamation bond calculations. A total of six borrow pits totaling 185.8 acres have been used during the life of this operation. Upon closure some portions of these areas will be regraded, as necessary, and revegetated (where sufficient growth medium exists, no soils will be imported). The Bear River pond dikes may be left in place if the Utah Division of Wildlife Resources should decide to utilize these ponds as wildlife habitat. If this Group should decide not to accept these areas, then the dikes will receive the same approved reclamation treatment as the rest of the site.

The extraction of minerals from the brine on GSL's leased lands is covered by a royalty agreement with the State of Utah. The terms of the mineral lease are connected to the duration of the royalty agreement which lasts as long as minerals are produced and sold from the land and a minimum royalty is paid to the State.

The total mineral reserves in the Great Salt Lake are sufficient to provide raw material for GSL's facilities, including future planned expansions, and other existing producers on the lake for about 200 years. Future products from the minerals extracted from the lake are possible and planned. All unused minerals in the pond system or plant effluent are returned to the lake as provided in the Royalty Agreement.

106.3 - Estimated Acreage

Acreage listed here should match areas measured off the maps provided.

Areas of actual mining:	~47,215
Overburden/waste dumps:	
Ore and product stockpiles: Access/haul roads:	
Associated on-site processing facilities:	~ 500
Tailings disposal: Other - Please describe: Borrow Pits	~185
Tota	al Acreage ~47,900

106.4 - Nature of Material Including Waste Rock/Overburden and Estimated Tonnage

Describe the typical annual amount of the ore and waste rock/overburden to be generated, in cubic yards. Where does the waste material originate? What is the nature of the overburden/wastes (general chemistry/mineralogy and description of geologic origin)? Will it be in the form of fines or coarse material? What are the typical particle size and size fractions of the waste rock?

Thickness of overburden:	N/A		ft
Thickness of mineral deposit:	N/A		ft
Estimated annual volume of overburden:	N/A	cu.	yds
Estimated annual volume of tailings/reject materials:	N/A	cu.	yds
Estimated annual volume of ore mined:	N/A		yds
Overburden/waste description: There is no overburden			

106.5 - Existing Soil Types, Location of Plant Growth Material

Specific information on existing soils to be disturbed by mining will be required. General soils information may not be sufficient.

Provide specific descriptions of the existing soil resources found in the area. Soil types should be identified along with depth and extent, especially those to be directly impacted by mining.

Soils - The plan shall include an Order 3 Soil Survey (or similar) and map. This information is needed to determine which soils are suitable for stockpiling for revegetation. This soil data may be available from the local Natural Resources Conservation Service office, or if on public lands, from the land management agency. The map needs to be of such scale that soil types can be accurately determined on the ground (see Attachment I).

(a) Each soil type to be disturbed needs to be field analyzed for the following:

Depth of soil material	The mineral deposit does not ha	ave any	over burden
	The mine is located in the lake	bed.	
The borrow pits contained	ed minimal soil, the initial reclamat	ion plan	for the
borrow pits was to "dress	s borrow areas to acceptable cond	dition"	In 1982 soil
in the borrow areas was	not detectable in amounts that co	ould be re	ecovered. In
1983 a DOGM memo inc	dicated that transects made at the	Little M	ountain
Borrow indicated a 30%	cover, a 21% revegetation require	ement.	Soil analysis
and locations maps (Apr	pendix 9) are attached. No volume	e calcula	ation
available.			
Volume (for stockpiling)		N/A	cu. yds.
Texture (field determina	ation		
pH (field determination)			
(cross reference with it	em 106.6)		

(b) Where there are problem soil areas (as determined from the field examination) laboratory analysis may be necessary. Soil samples to be sent to the laboratory for analysis need to be about one quart in size, properly labeled, and in plastic bags. Each of the soil horizons on some sites may need to be sampled. Soil sample locations need to be shown on the soils map. Soil analysis for these samples should include: texture, pH, Ec (conductivity), CEC (Catoin Exchange Capacity), SAR, % Organic Matter, Total N, Available Phosphorus (as P₂0₅), Potassium (as K₂0), and acid/base potential.

106.6 - Plan for Protecting and Redepositing E	Existing Soils
--	----------------

106.6	- Plan i	for Protecting and Redepositing Existing Soils		
	Area f Volum	ness of soil material to be salvaged and stockpiled: rom which soil material can be salvaged: (show on map) e of soil to be stockpiled: s reference with item 106.5 (a))	N/A N/A N/A	inches acres cu. yds
	Descr	ibe how topsoil or subsoil material will be removed, stockpil	ed and pr	otected.
106.7	- Existi	ng Vegetative Communities to Establish Revegetation	Success	
		ation - The Permittee / Operator is required to return the la ion and reestablish at least 70 percent of the premining veg		
	the pe	le the Division with a description of the plant communities g recent vegetation cover for each plant community located or ethodology used to obtain these values.		
		ercent ground cover is determined by sampling the vegetati to be mined (see Attachment I for suggested sampling met) on the
	(a)	<u>Vegetation Survey</u> - The following information needs to be upon the vegetation survey:	complete	ed based
		Sampling method used Number of plots or transects (10 minimum)		
		Ground Cover		Percent
		Vegetation (perennial grass, forb and shrub cover) Litter Rock/rock fragments		
		Bare ground		100%
		Revegetation Requirement (70 percent of above vegetation figure)		%
	Indica	te the vegetation community(ies) found at the site.		
		e predominant perennial species of vegetation growing in e unity type.	ach vege	tation
				COLUMN TO THE OWNER OF THE OWNER OWNER OF THE OWNER

(b) Photographs - The Permittee / Operator may submit photographs (prints) of the site to show existing vegetation conditions. These photographs should show the general appearance and condition of the area to be affected and may be utilized for comparison upon reclamation of the site. Photographs should be clearly marked as to the location, orientation and the date they were taken

106.8 - Depth to Groundwater, Overburden Material & Geologic Setting

Describe the approximate depth to groundwater in the vicinity of the operation based on the completion of any monitoring or water wells in the area. Please show the location of these wells on the base map.

Depth to groundwater

Unknown ft.

Provide a narrative description of the geology of the area and/or a geologic cross section.

106.9 - Location and Size of Ore and Waste Stockpiles, Tailings and Treatment Ponds, and Discharges

The process does not produce waste or ore stockpiles. The present pond area at the site encompasses ~47,215 acres.

There is no overburden removed when constructing a pond

V. Rule R647-108 - Hole Plugging Requirements

Not applicable

VI. Rule R647-109 - Impact Statement

109.1 - Surface and Groundwater Systems

This operation does not result in any impact to surface or ground water.

109.2 - Wildlife Habitat and Endangered Species

This facility is a part of an existing salt water lake which is not conducive to habitation by waterfowl.

109.3 - Existing Soil and Plant Resources

The existing operation is located on the mud flats of the Great Salt Lake therefore does not have any impact as there is no soil impacted.

Borrow areas are located in extremely rocky areas where soils needed for reclamation are unavailable

109.4 - Slope Stability, Erosion Control, Air Quality, Public Health & Safety

The only slope stability problems that may exist at the site will be in the permitted borrow area. By permit the highwalls will be left at a 45 degree or less slope angle.

VII. Rule R647-4-110 - Reclamation Plan

110.1 - Current Land Use and Postmining Land Use

Current or premining land use(s) [other than mining]: None
List future post-mine land-use(s) proposed: Return the area to natural lakebed
Develop the reclamation plan to meet proposed post-mine land use.)

110.2 - Reclamation of Roads, Highwalls, Slopes, Leach Pads, Dumps, Etc.

The reclamation of the solar evaporation and harvest ponds GSL has developed as part of the mining portion of the permit will be deconstructed in two separate phases. Phase I involves the final return of all accumulated salts within the evaporation and harvest beds. The salts will be dissolved using fresh water obtained via GSL's fresh water rights. Similar to GSL's yearly return flow operations, the dissolved rinseate will be returned to the Great Salt Lake at the current point of discharge for prior salt return activities at the southern end of Bear River Bay. The Phase I portion of the plan will be conducted during the late fall for about three to four months in duration. If necessary, these salt return activities may be conducted over multiple years to substantially dissolve accumulated salts and return those salts to the Great Salt Lake. The salt removal process may require some mechanical removal if necessary to return the evaporation ponds and harvest ponds to a natural lake bed surface to the satisfaction of the oversight state regulatory agency.

Upon completion of the Phase I salt removal activities, the Phase II rip-rap management plan will commence. This second Phase will involve the collection of rip-rap from the lake side of GSL's dikes and cluster the rip-rap in the approximate locations indicated on the map included as Appendix 10. The rip-rap clusters will be formed on the pond side of historic dikes. The rip-rap clusters will be designed to enhance the natural migratory bird habitat. Additionally, the rip-rap clusters will be fortified with some fine-grained materials to partially fill some interstitial voids to enhance bird nesting habitat. As a precaution to navigation on the lake, the clusters will be designed high enough to be visible on the lake water surface as shown in the plans in Appendix 10.

In conjunction with Phase II, the exterior and interior dikes will be breached every mile to allow wave action from the Great Salt Lake to erode the remaining dike structures. All other structures and equipment will be removed from State lands. The process plant is a part of an industrial park and will remain after cessation of

Form MR-LMO

operations. At the request of the State Division of Wildlife Resources, GSLM may negotiate the possibility of leaving some ponds in place to create bird refuges.

20

The reclamation of the solar mining portion of the permit will require breaching of dikes surrounding the pond every mile to allow water to dissolve any naturally precipitated minerals left after the operation ceases. All structures and equipment will be removed from State lands. The process plant is a part of an industrial park and will remain after cessation of operations. GSL will negotiate with the State Division of Wildlife Resources on the possibility of the leaving ponds in certain areas to create bird refuges. If this is not amenable with the State, GSL will breach the dikes at certain points to remove the salt deposits. All dikes and roads will remain in place, and wave action over time will wash-out and level the dikes.

Borrow pits high walls will be recontoured to a 45 degree angle or less and the pit floors completed so that the pits will not impound water. Revegetation will take place where sufficient soils exist. No plans for soil importation to revegetate the borrow pits are being considered.

110.3 - Surface Facilities to be Left

All equipment and structures located on State Lands will be removed. The plant site will be left intact for use in the existing industrial park. Allowing the plant to remain as a part of this park was approved by the Weber County Commission of March 29, 1986.

110.4 - Treatment, Location and Disposition of Deleterious Materials

No deleterious material is produced at this site. All fuels and associated fluids will be removed when the equipment is taken from the site. If any foundations exist after the removal of structures, they will be broken and buried on site, in accordance with applicable regulations. All trash associated with any demolition will be removed from the site.

110.5 - Revegetation Planting Program and Topsoil Redistribution

Only minimal revegetation will take place at the site.

a) Soil Material Replacement

There will be no soil replacement at this site.

b) Seed Bed Preparation

N/A

c) Seed Mixture - List the species to be seeded:

Provide a seed mix listing adaptable plant species and the rate of seeding that will be used at the site for reclamation. More than one seed mix may be needed, depending upon the areas to be reclaimed. Keep the proposed post-mining land use in mind when developing seed mixes.

Example

Species Name
Common Name
(lbs Pure Live Seed/Acre)

Total lbs/acre

(The Division recommends seeding 12-15 lbs./acre of native and introduced adaptable species of grass, forb, and browse seed for drill seeding and 15-20 lbs./acre for broadcast or hydro seeding. The Division can provide assistance in developing reclamation seed mixes if requested).

d) Seeding Method

N/A

e) Fertilization

N/A

f) Other Revegetation Procedures

N/A

VIII. Rule R647-4-112 VARIANCE

Variances were granted in 1983 to the following M Rules.

M-10 (1) Land Use The plant site will remain as an industrial park.

M-10 (3) Impoundments Utah Wildlife Agreement (pond to remain)

M-10 (14) Soils

No Importation—Sparse vegetation

Justification for these variances is contained in the attached permit documentation.

IX. Rule R647-4-113 - SURETY

A Reclamation surety must be provided to the Division prior to final approval of this application. In calculating this amount, include the following major tasks:

- 1) Clean-up and removal of structures.
- 2) Backfilling, grading and contouring.
- 3) Soil material redistribution and stabilization.
- 4) Revegetation (preparation, seeding, mulching).
- 5) Safety gates, berms, barriers, signs, etc.
- 6) Demolition, removal or burial of facilities/structures, regrading/ripping of facilities areas.
- 7) Regrading, ripping of waste dump tops and slopes.
- 8) Regrading/ripping stockpiles, pads and other compacted areas.
- 9) Ripping pit floors and access roads.
- 10) Drainage reconstruction.
- 11) Mulching, fertilizing and seeding the affected areas.
- 12) General site clean up and removal of trash and debris.
- 13) Removal/disposal of hazardous materials.

- 14) Equipment mobilization.
- 15) Supervision during reclamation.

To assist the Division in determining a reasonable surety amount, please attach a reclamation cost estimate which addresses each of the above steps. The areas and treatments included in the reclamation treatments map should correspond with items included in the reclamation cost estimate. The reclamation costs used by the Division must be third party costs.

X. <u>PERMIT FEE</u> [Mined Land Reclamation Act 40-8-7(i)]

The Utah Mined Land Reclamation Act of 1975 [40-8-7 (I)] provides the authority for the assessment of permitting fees. Commencing with the 1998 fiscal year (July 1 - June 30), and revised July 1, 2002, annual permit fees are assessed to new and existing notices of intention and annually thereafter until the project disturbances are successfully reclaimed by the Permittee / Operator and released by the Division.

Large mining permits require an initial submission fee <u>and</u> annual fee of \$500.00 for surface disturbance of 50 or less acres, or a \$1,000.00 fee for surface disturbance greater than 50 acres (see page six Section III, Rule R647-4-106.3 for estimated disturbance calculation). The appropriate fee <u>MUST</u> accompany this application or it cannot be processed by the Division.

<u>PLEASE NOTE:</u> If you are expanding from a small mining operation to a large mining operation, the appropriate large mine permit fee, less the annual \$150.00 small mine fee (if already paid) MUST accompany this application.

XI. SIGNATURE REQUIREMENT

I hereby certify that the foregoing is true and correct. (Note: This form <u>must</u> be signed by the owner or officer of the company/corporation who is authorized to bind the company/corporation).

Signature of Permittee / Operator/Applicant:	
Name (typed or print):	
Title/Position (if applicable):	
Date:	

PLEASE NOTE:

Section 40-8-13(2) of the Mined Land Reclamation Act provides for maintenance of confidentiality concerning certain portions of this report. Please check to see that any information desired to be held confidential is so labeled and included on separate sheets or maps.

Only information relating to the <u>location</u>, <u>size or nature of the deposit</u> may be protected as confidential.

Confidential Information Enclosed: () Yes (X) No

MAP COMPILATION

GREAT SALT LAKE MINERALS CORPORATION LARGE MINE PERMIT M/057/002 CONSOLIDATION

Box Elder and Weber Counties, Utah

MINERAL LEASES AND EASEMENTS

GREAT SALT LAKE MINERALS CORPORATION

LARGE MINE PERMIT M/057/02 CONSOLIDATION

Box Elder and Weber Counties, Utah

LARGE MINE PERMITS

GREAT SALT LAKE MINERALS CORPORATION

LARGE MINE PERMIT M/057/02 CONSOLIDATION

Box Elder and Weber Counties, Utah

AUGUST 29, 1991

GREAT SALT LAKE MINERALS CORPORATION

LARGE MINE PERMIT M/057/02 CONSOLIDATION

Box Elder and Weber Counties, Utah

LARGE MINE PERMIT REVISION

GREAT SALT LAKE MINERALS CORPORATION

LARGE MINE PERMIT M/057/02 CONSOLIDATION

Box Elder and Weber Counties, Utah

JULY 19, 2004

GREAT SALT LAKE MINERALS CORPORATION

LARGE MINE PERMIT M/057/02 CONSOLIDATION

Box Elder and Weber Counties, Utah

OCTOBER 8, 2004

GREAT SALT LAKE MINERALS CORPORATION

LARGE MINE PERMIT M/057/02 CONSOLIDATION

Box Elder and Weber Counties, Utah

SOIL SURVEY DATA

GREAT SALT LAKE MINERALS CORPORATION

LARGE MINE PERMIT M/057/02 CONSOLIDATION

Box Elder and Weber Counties, Utah

SUBSTATION DOCUMENTATION

GREAT SALT LAKE MINERALS CORPORATION

LARGE MINE PERMIT M/057/02 CONSOLIDATION

Box Elder and Weber Counties, Utah

POND TECHNOLOGY ENHANCEMENTS

GREAT SALT LAKE MINERALS CORPORATION

LARGE MINE PERMIT M/057/02 CONSOLIDATION

Box Elder and Weber Counties, Utah

PHASE I AND PHASE II RECLAMATION SPECS

GREAT SALT LAKE MINERALS CORPORATION

LARGE MINE PERMIT M/057/02 AMENDMENT

Box Elder and Weber Counties, Utah

February 2013